

AMENDMENTS TO THE CLAIMS

Please amend claims 1-6 as follows.

1. (currently amended) An apparatus for dilution of discharged fuel of a fuel cell comprising:

an a hydrogen gas inlet for guiding purged hydrogen gas coming from the fuel cell;
a reservoir for storing the purged hydrogen gas guided through the inlet, wherein the
reservoir has one or more walls and wherein the hydrogen gas inlet is formed in the wall of the
reservoir; and

a cathode exhaust gas pipe penetrating through the wall of the reservoir at a first location
to form an exhaust gas inlet and penetrating through the wall at a second location to form an
exhaust gas outlet, wherein the cathode exhaust gas pipe has holes formed therein that
communicate with an inside of the reservoir, wherein the cathode exhaust gas pipe is adapted to
carry and is supplied with cathode exhaust gas of generated by the fuel cell,

wherein the cathode exhaust gas pipe sucks the purged hydrogen gas, which is
introduced through the inlet and stored in the reservoir, through the holes and discharges the
purged hydrogen gas diluted by mixing with the cathode exhaust gas.

2. (currently amended) An apparatus according to claim 1 wherein the hydrogen gas inlet and
the holes are adapted to be spatially apart-separated from each other.

3. (currently amended) An apparatus according to claim 1 wherein the cathode exhaust gas pipe
has an intermediate portion that is adapted to bend downward and bent to form a bent
intermediate portion between the exhaust gas inlet and the exhaust gas outlet, and wherein at
least a portion of the holes for draining water are provided in a lower portion of are formed in
the bent intermediate portion of cathode exhaust gas pipe.

4. (currently amended) An apparatus according to claim 3 wherein a cross section of the bent
intermediate portion of the cathode exhaust gas pipe is adapted to be has a diameter that is
smaller than the diameter of a non-bent portion of the cathode exhaust gas pipe.

5. (currently amended) An apparatus according to claim 3 further comprising wherein a collector disposed within the reservoir and adjacent the bent intermediate portion of the cathode exhaust gas pipe for collecting condensed water contained in the purged hydrogen gas is provided around the bent portion of cathode exhaust gas pipe at the bottom of a reservoir.

6. (currently amended) An apparatus according to claim 1, ~~wherein the apparatus comprises~~ further comprising a plurality of means for collecting hydrogen gas from an anode line of the fuel cell.

Please add claims 7-13 as follows.

7. (new) An apparatus according to claim 1, wherein the reservoir comprises a box-like housing having a plurality of walls, and wherein the cathode exhaust gas pipe penetrates a first wall of the plurality of walls at one end of the housing to form the exhaust gas inlet, and penetrates an opposed wall at the opposite end of the housing to form the exhaust gas outlet.

8. (new) An apparatus according to claim 7, wherein the box-like housing has a substantially rectangular shape.

9. (new) An apparatus according to claim 7, wherein one wall of the plurality of walls of the box-like housing comprises a plurality of linear interconnecting wall portions.

10. (new) An apparatus according to claim 7, wherein the exhaust gas inlet and the exhaust gas outlet are formed, in one orientation, at the same vertical position so as to allow the cathode exhaust gas pipe to pass horizontally through the reservoir.

11. (new) An apparatus according to claim 7, wherein the exhaust gas inlet and the exhaust gas outlet are formed, in one orientation, at a lower portion of the reservoir and the hydrogen gas inlet is disposed at an upper portion of the reservoir.

12. (new) An apparatus according to claim 3, wherein at least a portion of the holes are formed in a non-bent portion of the cathode exhaust gas pipe.

13. (new) An apparatus according to claim 1, wherein the hydrogen gas inlet and the exhaust gas inlet are formed in the same wall of the reservoir.